



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/053,526  
Source: OPE  
Date Processed by STIC: 5/7/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply  
Corrected Diskette Needed

OIPE

*Errors on p. 3*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/053,526

DATE: 05/07/2002  
TIME: 13:00:38

Input Set : A:\Sequence Listing  
Output Set: N:\CRF3\05072002\J053526.raw

```

3 <110> APPLICANT: INSTITUT CURIE
4     CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
5     MUSEUM NATIONAL D'HISTOIRE NATURELLE
6     INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE M
8 <120> TITLE OF INVENTION: Methods and compositions for effecting homologous
9     recombination
11 <130> FILE REFERENCE: BET 01/1333
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/053,526
C--> 14 <141> CURRENT FILING DATE: 2002-04-18
16 <150> PRIOR APPLICATION NUMBER: PCT/IB01/00749
17 <151> PRIOR FILING DATE: 2001-05-03
19 <150> PRIOR APPLICATION NUMBER: EP 00401218.3
20 <151> PRIOR FILING DATE: 2000-05-03
22 <160> NUMBER OF SEQ ID NOS: 11
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 28
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence:
33     oligonucleotide
35 <400> SEQUENCE: 1
36 cgtctagaaa agaaaagggg ggatacgc                28
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 28
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence:
46     oligonucleotide
48 <400> SEQUENCE: 2
49 gcgtatcccc cttttcttt tctagacg                28
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 12
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Description of Artificial Sequence:
59     oligonucleotide
61 <400> SEQUENCE: 3
62 gccgtggcca gc                                12
65 <210> SEQ ID NO: 4

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/053,526

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```

66 <211> LENGTH: 11
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence:
72     oligonucleotide
74 <400> SEQUENCE: 4
75 gctggccagc g                                     11
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 40
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence:
85     oligonucleotide
87 <400> SEQUENCE: 5
88 ccgggtctag aaaagaaaag gggggatacg cgtggccagc       40
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 40
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence:
98     oligonucleotide
100 <400> SEQUENCE: 6
101 ccggcgtggc cgcggtatc ccccttttc ttttctagac       40
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 21
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence:
111     oligonucleotide
113 <400> SEQUENCE: 7
114 ccggtcgcca ccatggtgag c                           21
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 20
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence:
124     oligonucleotide
126 <400> SEQUENCE: 8
127 cgcgtggcca gctcgagatc                               20
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 12
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/053,526

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Input Set : A:\Sequence Listing

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136 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:

137       oligonucleotide

139 &lt;400&gt; SEQUENCE: 9

140 cgcgtggcca gc

12

143 &lt;210&gt; SEQ ID NO: 10

144 &lt;211&gt; LENGTH: 17

145 &lt;212&gt; TYPE: DNA

146 &lt;213&gt; ORGANISM: Artificial Sequence

148 &lt;220&gt; FEATURE:

149 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:

150       oligonucleotide

152 &lt;400&gt; SEQUENCE: 10

W--&gt; 153 nnnntntnn ngnggng

156 &lt;210&gt; SEQ ID NO: 11

157 &lt;211&gt; LENGTH: 17

158 &lt;212&gt; TYPE: DNA

159 &lt;213&gt; ORGANISM: Artificial Sequence

161 &lt;220&gt; FEATURE:

162 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:

163       oligonucleotide

165 &lt;400&gt; SEQUENCE: 11

W--&gt; 166 nnntntntnt ngggggg

17

requires explanation for n - see  
p.5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/053,526

DATE: 05/07/2002  
TIME: 13:00:39

Input Set : A:\Sequence Listing  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 1,2,3,4,5,7,9,10,11,13,16

Seq#:11; N Pos. 1,2,3,5,7,9,11

## VARIABLE LOCATION SUMMARY

DATE: 05/07/2002

PATENT APPLICATION: US/10/053,526

TIME: 13:00:39

Input Set : A:\Sequence Listing

Output Set: N:\CRF3\05072002\J053526.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:10; N Pos. 1,2,3,4,5,7,9,10,11,13,16

Seq#:11; N Pos. 1,2,3,5,7,9,11

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/053,526

DATE: 05/07/2002

TIME: 13:00:39

Input Set : A:\Sequence Listing

Output Set: N:\CRF3\05072002\J053526.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:153 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10  
L:153 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10  
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:166 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:166 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0